

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. Programme

IV<sup>th</sup> Semester Re- Examination- July/August-2015

Cat. No: Hmsc.2201

Marks: 80

Title: Food and Nutrition (1+1)

Time: 3 hours

## Set.1

### I. Fill up the blanks

(10 x 1 = 10)

1. The RDA of iron for a pregnant woman is -----.
2. Gluten is composed of ----- and -----.

### Match the following

A

B

- |                  |                  |
|------------------|------------------|
| 3. Lycopene      | Oligosaccharides |
| 4. Flatulence    | Vitamin E        |
| 5. Scurvy        | Tomato           |
| 6. Rice bran oil | Vitamin C        |
|                  | Vitamin A        |

### State true or false

7. Tryptophan is an essential amino acid
8. Protective foods are rich in vitamins and minerals

### Define the following

9. Nutritional status
10. Food fortification

### Write short notes on the following (any ten)

(10 x 3 = 30)

1. Functions of dietary proteins
2. Poly Unsaturated Fatty Acids
3. Food pyramid
4. Agricultural practices influencing food composition
5. Role of vitamin A in vision
7. Composition of egg
8. Factors influencing RDA
9. Dimensions of food security

10. Dietary fibre and its role in nutrition
11. Botulism – causes and preventive measures
12. Mutual supplementation

**Write short essays on the following (Any six)**

**(6 x 5 =30)**

1. Functions of carbohydrates
2. ICDS
3. Protein energy malnutrition
4. Factors affecting calcium absorption
5. Iron deficiency anaemia – causes, symptoms and prophylaxis programme
6. Digestion and absorption of carbohydrates
7. Natural toxicants in plant foods
8. Functions of vitamin D and calcium

**Write essay on the following (any one)**

**(10 x 1 =10)**

1. Role of B complex vitamins in human nutrition. Give an account on deficiency and important food sources of B complex vitamins
2. Anthropometry and diet survey methods for assessment of nutritional status